MARSHALL STAR

Serving the Marshall Space Flight Center Community **Jan. 15, 2004**

Marshall 20-year master plan to enhance Center workplace

by Ralph Allen

Are you ready for time travel? The Marshall Center's new 20-year Facilities Master Plan provides a glimpse of the Center in the year 2023. The plan provides a framework for transforming the Center into a more efficient and employee-friendly workplace to support Marshall's evolving roles and enhance NASA's mission.

The master plan's "restoration by replacement program" will allow Marshall's Facilities Engineering Department to pursue the replacement of aging and inefficient buildings with new state-of-the-art structures.

Many areas of the Center will go from an austere, industrial appearance, to a

*See **Plan** on page 2*

Photo by Emmett Given, NASA/Marshall Center

Tim Corn, right, deputy manager of Marshall's Facilities Engineering Department, shows the 20-year master plan to, from left, Marshall Center Director David King, Goodloe Sutton and U.S. Sen. Richard Shelby.

Engine, parachute tests pave way for launch escape system

by Kelly Humphries

NASA has tested rocket engines and parachutes that could be instrumental in developing the first spacecraft crew launch escape system in almost 30 years.

The tests pave the way for a series of integrated Pad Abort Demonstration (PAD) test flights to support NASA's Orbital Space Plane (OSP) program. Launch pad abort tests support development of a system that could pull a crew safely away from danger during liftoff. Knowledge gained from the testing will reduce the future design and development risks of a launch escape system that could be used for the OSP.

"PAD is the first launch pad crew escape system NASA has developed since Apollo," said Chuck Shaw, PAD project

*See **Engine** on page 5*

Indiana high school wins grant to participate in NASA rocket program

by Grant Thompson

A student team from Goshen High School in Goshen, Ind., has been awarded a grant of $2,500 to participate in NASA's Student Launch Initiative, designed to motivate students to pursue careers in science, math and engineering.

Indiana native Dan Dumbacher, manager of NASA's X-37 flight demonstrator program, and a representative from the Education Programs Department at the Marshall Center, presented the award to the school in December.

The Student Launch Initiative allows teams of high school students to experience hands-on, practical aerospace and engineering projects similar to what they would find in a professional environment. Under the guidance of engineers at the Marshall Center, students design, build and launch a rocket as a first step

*See **Grant** on page 6*

Salute to NASA's active duty reservists

A message from the NASA Administrator

Throughout the previous year, I have mentioned the tremendous debt of gratitude that all Americans owe to our men and women in uniform.

In the past year, our military helped to liberate the people of Iraq from a brutal tyrant and carried forward the battle against terrorism around the world.

Within the NASA family, 26 of our fellow workers put their lives on hold this year to serve overseas in active military reserve units. Others have honored their reserve commitments here at home. Given all their responsibilities, I think it is remarkable that these men and women have gone the extra mile to serve their country.

President Bush has directed that all federal employees returning from Reserve or National Guard duty in the continuing global war on terrorism be granted five days of excused absence. NASA is very pleased to adhere to this policy.

If you know a member of the NASA family who has served in uniform this year, please extend your appreciation for a job well done!

— ***Sean O'Keefe***
NASA Administrator

Plan

Continued from page 1

more academic, campus-type configuration where office, lab and research buildings are grouped closer together. By building new structures closer together and interconnecting them with sidewalks and greenways, Marshall's workers will be able to move between buildings with less need for driving.

When the Marshall Center was created out of the Development Operations Division of the Army's Ballistic Missile Agency at Redstone Arsenal in 1960, the majority of buildings inherited by Marshall from the Army were World War II structures originally used for ordnance production and storage. Although adapted for Marshall's use, these buildings are not well suited for current operations. After almost 60 years, many of the Center's buildings are far from being the cutting-edge 21st century structures needed to fulfill Marshall's role in NASA's mission.

The new master plan places emphasis on development of two campus areas. The north campus, anchored by the Bldg. 4200 complex, will consist primarily of administrative, management and propulsion research functions. The south campus, centered around Bldgs. 4487, 4663, 4619 and the new 4600 complex, will provide a concentration of research and technology functions consisting primarily of office and lab space.

The campuses will be developed along greenways that connect within, and between, each other for pedestrians and other non-automotive type transportation. These greenways also will provide the backbone for a future underground utilities distribution system.

While the master plan provides a broad, long-range vision and direction for the Center, the actual changes will take place incrementally. New projects, both institutional and program- and project-related, will include improvements that will fit together like a jigsaw puzzle — creating the Center of the future. The overall goal is to improve efficiency, cut operating costs and reduce wasted and unneeded space. The results will transform Marshall into a true 21st century facility.

A model of the Marshall Center of 2023 is in the Bldg. 4200 lobby.

The writer is the facilities master planner at the Marshall Center.

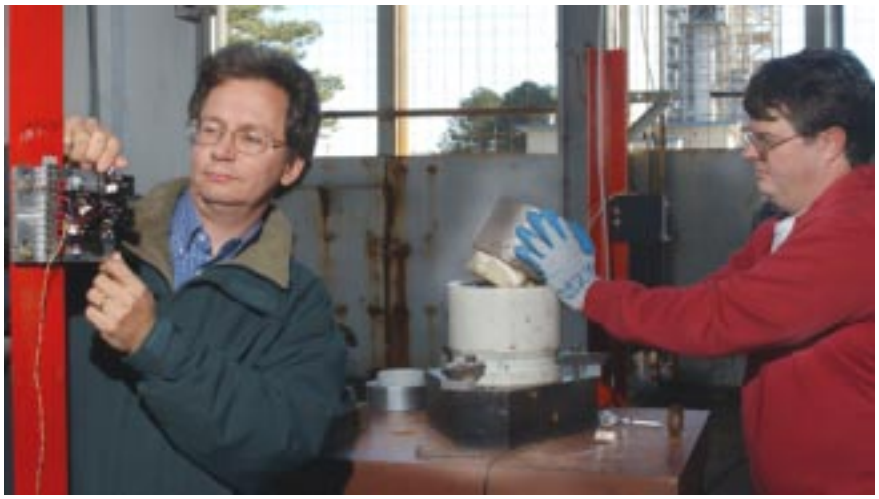

Photo by Dennis Olive, NASA/Marshall Center

Testing modifications to Space Shuttle 'bolt catcher'

Joe Gentry, left, and Rodney Phillips of Marshall's Engineering Directorate, prepare to test modifications on the Space Shuttle's bolt catcher for the Solid Rocket Booster Project Office. The bolt catcher captures part of the bolt that attaches the Shuttle's Boosters to the External Tank. The modifications are part of the Space Shuttle Program's efforts to safely return the Shuttle to flight. While Phillips prepares the bolt catcher, Gentry inspects the laser measurement system that determines the velocity of the bolt as it separates from the External Tank. By determining the velocity of the bolt, engineers can assess the strength requirements for the honeycomb-like shock-absorbing material used in the bolt catcher.

Susan Foster named chief financial officer at Marshall

by Sanda Martel

Susan C. Foster has been appointed chief financial officer at the Marshall Center. She succeeds David K. Bates, who has accepted an assignment as chief financial officer for the Office of Space Flight at NASA Headquarters in Washington.

Emmett Given, Marshall Center

Foster

Foster also has been appointed to the Senior Executive Service, the personnel system that covers most of the top managerial, supervisory and policy positions in the federal government.

In her new position, Foster will be responsible for formulating, executing and managing an annual Marshall Center budget of approximately $2.3 billion, and managing an organization of more than 240 civil service and contractor personnel.

Foster also will be responsible for implementing full-cost accounting practices at the Marshall Center, a financial management system that requires government organizations to operate more like private businesses. Full-cost accounting requires expenses to be associated with an activity or project, provides more efficient budget data for management analysis and reporting, and eliminates multiple budget systems - thereby reducing maintenance costs.

"I look forward to working with the Marshall team to implement this new financial system," Foster said. "Adopting full-cost accounting is a challenge for all federal agencies, but in these times of limited resources we have to make sure we're spending money in the right places - not only today, but in the future as well."

Foster comes to Marshall from the Department of the Army in Washington, where she was a division chief in the Office of the Deputy Chief of Staff for Operations and Plans. She has more than 24 years experience in government and private sector financial resource planning and management, and served as a financial and management instructor at the Army Management Staff College in Fort Belvoir, Va.

Foster earned a bachelor's degree in business management from Troy State University in Troy, Ala., and a master's degree in systems management from the University of Southern California in Los Angeles. She has pursued doctoral studies at George Mason University in Fairfax, Va., is a graduate of the Army War College in Carlisle Barracks, Pa., and has completed numerous financial management and leadership courses.

Foster received the Meritorious Civilian Service Award, the second highest Department of the Army honorary award - given to employees who have established a pattern of excellence - from her previous employer. She was named to Who's Who in American Women and is a member of the Civilian Advisory Board for the Association of the U.S. Army.

The writer, an employee of ASRI, supports the Media Relations Department.

Gerald Smith new NSSTC executive director

Former deputy at Stennis

Marshall news release

Retired aerospace executive Gerald W. Smith has been named executive director of the National Space Science and Technology Center (NSSTC), according to Dr. Ron Greenwood, director of the Alabama Space Science and Technology Alliance.

Dennis Olive, NASA/Marshall Center

Smith

Smith retired last summer as president of ATK Thiokol Propulsion in Brigham City, Utah, and moved back to Huntsville. He is a native of Albertville, Ala., and worked as a manager of the solid rocket booster program at the Marshall Center from 1987 to 1989.

He also served as deputy director at NASA's Stennis Space Center. This Mississippi-based center is responsible for NASA's rocket propulsion testing, and partnering with industry to develop and implement remote sensing technology. Smith also served for three years as director of research laboratories for the Georgia Technology Research Institute in Atlanta.

The 64-year-old aerospace engineer said he was enjoying retirement when he was contacted about the NSSTC opening. "This has been the only opening I seriously considered since retiring, but working with the researchers really made this a rare opportunity that I didn't want to pass up."

Smith quickly numbered important opportunities he sees to expand the center's presence.

"One, I envision a closer partnership with all of Alabama's research universities in submitting joint proposals and working collaboratively on research projects to leverage the state's capabilities. Two, there are many high-tech industries throughout the state that provide an opportunity to form alliances to conduct joint research in bringing new ideas and products to the market. Three, I believe we need to look more closely at the research needs of the Army at Redstone Arsenal. The research capabilities of the NSSTC and the Alabama research universities should provide an opportunity to support programs at Redstone."

"We are delighted Gerald Smith is the new director of the National Space Science and Technology Center," said Marshall

*See **Smith** on page 5*

SHE Committee seeks chair, deputy nominations

from the Safety, Health and Environmental Committee

The Marshall Center's Safety, Health and Environmental (SHE) Committee will hold elections Feb. 25 for chair person and deputy chairperson. The term of office is one-year, beginning in April.

The SHE Committee is chartered to monitor Center safety, health and environmental performance, and to investigate and propose strategies for improving worker protection in Marshall's operations.

"We have formed an Ad Hoc Elections Subcommittee to conduct the open nominations process," said Nance Jo Ogozalek, SHE Committee chairperson. "This will be the Marshall team's first opportunity for full participation in the chairperson election process."

The subcommittee will contact each nominee before the election. While nominations are open across the Center, only current SHE Committee members can vote when the election is held at their February meeting.

When the Center reorganized the SHE Committee last year, a new charter was established to increase employee participation in the program.

"The Center requested volunteers and appointees to represent all elements of the Marshall team – balancing the ratio of civil servants and contractors, as well as employees, supervisors and managers," said Tom Dollman, the committee deputy chairperson.

Committee membership also was defined to assure representation of each directorate and office, and groups of workers who encounter general categories of hazard exposure in their daily work.

"The Center put a high priority on finding members who were very knowledgeable about the safety, health and environmental issues that matter to the people they represent," Dollman said.

Because of the committee's reorganization last year, there wasn't time to nominate officer candidates. "Once the full membership of the committee was established, the chairperson and deputy chairperson were elected from among those members," Dollman said.

"This year, we will be able to conduct our nomination and election process the way it was intended," Ogozalek said. "It's one more opportunity for us to make our voices heard when it comes to Marshall's safety, health and environmental issues."

The Ad Hoc Elections Subcommittee, led by Cynthia Behel, is conducting the nominations process this month through February. All civil service and contractor employees are encouraged to nominate Marshall team members. The chairperson must be an on-site civil service employee; the deputy may be an on-site civil servant or contractor employee.

"It is up to us to nominate co-workers that will do a good job of representing our SHE concerns and continuing our efforts to improve the SHE Program at Marshall," Ogozalek said.

Nominations should be submitted electronically to Behel no later than Feb. 20.

Space and Missile Defense Command to cut ribbon on new building

SMDC release

On Jan. 20, a ribbon cutting ceremony on Redstone Arsenal will officially open the Von Braun Complex, Bldg. 5220 — the new home of the U.S. Army Space and Missile Defense Command.

Maj. Gen. Larry Dodgen, SMDC's commanding general, will officiate at the 10 a.m. ceremony. Federal employees are invited to a no-frills tour from 1-2 p.m.

Construction on the 220,000-square-foot, $39 million project, begun in June 2001, was completed in November 2003. More than 800 federal employees will begin moving from their current location at 106 Wynn Drive – SMDC's home since 1969 – into the new building in mid-February.

The Army had been paying approximately $7 million per year for the lease at 106 Wynn Drive. The new building will pay for itself in six years and provides Department of Defense mandated upgrades to enhance safety for personnel and force protection of command employees.

The building includes modern, efficient mechanical and electrical systems, modern construction materials and a structured communications system, plus it meets the American's with Disabilities Act as well as updated fire and safety codes.

One SMDC employee thinks moving onto the Arsenal is a good idea for force protection and co-location reasons.

"Being on the Arsenal provides more protection to the work force and the military aspects of our jobs," said Paul Page, team lead for Tactical Analysis in the SMD Battle Lab's Studies and Analysis Division. "This move will co-locate SMDC with the other military elements in the area."

Marshall Imaging Services

An artist's rendering of the U.S. Army Space and Missile Defense Command's Bldg. 5220.

Engine

Continued from page 1

manager at the Johnson Space Center in Houston. "The engine and parachute tests followed successful vehicle wind tunnel tests in September."

The engines were fired in tests at the Marshall Center in November and December. A series of 14 hot-fire tests of a 50,000-pound thrust RS-88 rocket engine were conducted, resulting in a total of 55 seconds of successful engine operation. The final test was completed Dec. 11. The engine is being designed and built by the Rocketdyne Propulsion & Power unit of The Boeing Co.

The parachutes were tested at the Army's Yuma Proving Grounds in Yuma, Ariz., Dec. 9. The tests verify the function, performance and stability of an 80-foot drogue parachute and four 156-foot main parachutes. A 12.5-ton pallet, simulating the size and weight of a crewed vehicle, was dropped from 10,000 feet. The pallet descended to a soft landing under almost two acres of parachutes. A second set of parachute tests will be conducted at Yuma in spring 2004.

Integrated launch abort demonstration tests in 2005 will use four RS-88 engines to separate a test vehicle from a test platform, simulating pulling a crewed vehicle away from an aborted launch. Four 156-foot parachutes will deploy and carry the vehicle to landing. Lockheed Martin Corp. is building the vehicle for the PAD tests.

Photo by Dennis Olive, NASA/Marshall Center

An RS-88 development rocket engine is test fired at the Marshall Center in support of the Pad Abort Demonstration test flights for NASA's Orbital Space Plane.

"The separate subsystem tests will allow NASA and Lockheed Martin to begin integration of the test vehicle, its engines and parachutes over the next year," Shaw said.

Seven integrated PAD test flights are planned during 2005 and 2006. For the initial PAD flight test in mid-2005, a representative crew escape module will be mounted on a pusher propulsion module. Instrumented mannequins will represent a spacecraft crew during the tests.

NASA awarded a contract to Lockheed Martin in November 2002, to design and build a crew escape and survivability system demonstrator and to establish a flexible test bed for use in support of the OSP program.

The OSP program will support International Space Station requirements for crew transport, rescue and contingency cargo. The OSP will initially launch on an expendable vehicle and provide rescue capability for at least four crewmembers. OSP could launch as early as 2008. Crew transfer for the Station is planned as soon as practical, but no later than 2012. The PAD project is managed at the Johnson Space Center for the OSP Program. The OSP Program is managed at the Marshall Center.

The writer is a media specialist with the Johnson Space Center in Houston.

Smith

Continued from page 3

Center Director David King. "He is a proven leader with a history of significant accomplishments. The NSSTC is a unique institution with expertise and diverse partnerships in research ranging from space sciences to weather systems right here on Earth. I'm confident that under Gerald's leadership, we will see outstanding results from the scientists and engineers dedicated to this research."

As president of ATK Thiokol, Smith was responsible for leading the company's development and production of solid rocket motors in all vehicle payload classes for American and international space launch markets. The company is the world's largest producer of solid rocket motors, including the reusable solid rocket motor aboard NASA's space shuttle and the Titan IVB solid rocket motor upgrade.

The National Space Science and Technology Center is a research organization that conducts cutting-edge research in various scientific and engineering disciplines, such as atmospheric science, optics, biotechnology, information technology, materials science, propulsion, and space science.

The center also fosters the education of the next generation of scientists and engineers. Undergraduate and graduate students participate in the cooperative research, and experience is provided for educators.

The NSSTC is a partnership between the Marshall Center and the Alabama Space Science and Technology Alliance, a consortium of Alabama's research universities. The NSSTC is located in Huntsville, adjacent to The University of Alabama in Huntsville.

Small business support part of Marshall Prime Contractor Supplier Council meet

by David E. Brock

The Marshall Prime Contractor Supplier Council recently met at Hawk's Cay Resort in Duck Key, Fla.

Four Marshall Center representatives and 10 prime contractor attendees – representing six of Marshall's major prime contractors, attended the meeting.

The two-day event included "lessons learned" sessions on submission of a mentor protégé relationship to NASA Code K, and "best practices" for outsourcing of in-house procurement support. The council also will continue pursuing creation of a training module for marketing small business capabilities to the prime contractor community. The training module will be presented to the small business community in the near future.

For information on "How To Do Business At MSFC," go to http://ec.msfc.nasa.gov/msfc/doin_bus.html.

The next council meeting is scheduled for March, with a location and host to be determined.

The writer is the Marshall Center industry assistance officer.

Grant

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toward the goal of ultimately flying to an altitude of 1 mile.

"Giving students the hands-on experience of building rockets can open their minds to a variety of new ideas," Dumbacher said. "The students in school now will be the ones who design and build the next generation of vehicles years down the road. This can be their first step in that direction."

Goshen High School finished in the top three of the Team America Rocketry Challenge held earlier this year in The Plains, Va. Goshen's top three finish secured the high school a place in the Student Launch Initiative program.

This school year's Student Launch event, set for spring, will feature Goshen and five other teams launching their rockets.

"A real need exists for young people to get excited about careers in science and engineering, and we think the Student Launch Initiative can help," said Jim Pruitt, manager of the Marshall Education Programs Department. "It provides actual work experience in an engineering environment, and this exposure could inspire the students to be our next generation of explorers."

The writer, an employee of ASRI, supports the Media Relations Department.

Obituaries

Robert M. Able, 80, of Huntsville, died Jan. 3. Graveside services were held at Maple Hill Cemetery with the Rev. Steve Sharp officiating and Berryhill Funeral Home directing.

Able was born June 25, 1923, and had lived in Huntsville for the past 43 years. He was a World War II veteran and retired from the Marshall Center in 1978, where he worked as a personnel management specialist.

He is survived by his wife, Anita Able; one son, Dr. Gregg Able of Huntsville; one daughter, Sheri Mankowski of Huntsville; one brother, Charles Able of San Antonio; three grandchildren; and one great-grandchild.

J.D. Bennight, 83, of Huntsville, died Dec. 16, 2003. Funeral services were held at Holmes Street United Methodist Church with the Rev. J.B. Pendergraft officiating and Valhalla Funeral Home directing.

Bennight was born Oct. 14, 1920, in Steep Creek, Texas, to W. and Allie Bennight. He graduated from Rice Institute with a bachelor's degree in electrical engineering in 1943. He served as a first lieutenant in the U.S. Army Signal Corps during World War II and worked as an electrical engineer for the Army Ordnance Missile Command before joining the original NASA team. He retired from the Marshall Center in 1977. He was a member of Holmes Street United Methodist Church for 49 years and was the widower of Charlene Bennight.

He is survived by his wife, Mary Fults Bennight; one son, Jim Bennight of Tallahassee, Fla.; three daughters, Winnette Sandlin of Orange Park, Fla., Gay Deacon of Harvest, and Marcia Keller of Huntsville; eight grandchildren; and six great-grandchildren.

William W. Luce, 83, of Huntsville, died Dec. 20, 2003. Funeral services were held at Valhalla Funeral Home.

Luce was born March 6, 1920. He retired from the Marshall Center in 1985, after 22 years of service, where he worked as an engineer. He was a member of First United Methodist Church.

He is survived by his wife, Phyllis Luce; three sons, Robert Keene of Endicott, N.Y., Gary Keene of Woodland, Ill., and Randall Keene of Brentwood, Tenn.; one daughter, Cynthia West of Huntsville; two sisters, Lois Luce and June Pierson, both of Indianapolis; and seven grandchildren.

Job Announcements

MS04N0061, Program Analyst. GS-0343-12, Space Shuttle Propulsion Office, External Tank Project. Closes Jan. 28. Contact: Edwina Bressette at 544-5118.

MS04C0063, Supv. AST, Engineering Project Management. GS-0801-15, Space Transportation Directorate, In-Space Propulsion Technology Projects Office. Closes Jan. 20. Contact: Jannette Black at 544-8660.

MS04D0064, Information Technology Specialist (APPSW), Outside Hire. GS-2210-14, Center Operations Directorate, IFM Integration Project Office. Closes Jan. 16. Contact: Dana Blaine at 544-7514.

Announcements

David King to speak at National Space Club

The National Space Club will host its annual Leadership Luncheon at noon Jan. 28 in the North Hall of the Von Braun Center in Huntsville. Speakers will include Marshall Center Director David King. Tickets cost $25 per person. Checks should be made payable to The National Space Club and be received by Jan. 16 in Marshall's Government and Community Relations Department. For more information, call Rosa Kilpatrick at 544-0042.

Retirement reception for Alex McCool will be Friday

A retirement reception honoring Alex McCool for more than 55 years of NASA and government service will be at 2:30 p.m. Friday in the Center Activities Bldg. 4316. Tickets are $9 and are available from administrative officers, at the door, or by calling Judy Green at 544-8704.

National Engineers Week Award Banquet is Feb. 26

The annual National Engineers Week Award Banquet will be at 6 p.m. Feb. 26 in the North Hall of the Von Braun Center in Huntsville. Tickets are $25 per person for advance reservations and $38 per person for reservations made after Feb. 18. For more information, see "Inside Marshall."

Martin Luther King Jr. Unity Breakfast set for Monday

The 19th Annual Martin Luther King Jr. Unity Breakfast will be at 8 a.m. Monday in the North Hall of the Von Braun Center in Huntsville. Milton C. Davis, former general president of Alpha Phi Alpha Fraternity Inc. will speak. For ticket information, call Chanel Leslie in the Equal Opportunity Office at 544-3740.

Desktop TV now available at Marshall Center

A pilot version of Desktop TV is now available at the Marshall Center. Depending on computer network connections, either two channels -- NASA TV and Marshall TV -- or four channels -- NASA TV, Marshall TV, CNN and C-Span -- as well as some archived video, can be viewed on computers at the Marshall Center. Any problems related to the service should be reported to Stacey.Haddock@msfc.nasa.gov. Do not call the Help Desk for assistance. To tune in to the service, go to http://desktoptv.msfc.nasa.gov/.

NASA, Marshall Center property disposal sales now Internet-based

Live auctions for NASA and Marshall Center property disposal sales now are conducted by Internet only. Go to http://gsaauctions.gov/gsaauctions/gsaauctions/ and search by "State of Alabama" to find items for sale located at Marshall and other federal agencies in the state. For more information or assistance, call 544-1774.

Classes open for Marshall team

Two upcoming classes are open to Marshall team members: Making Meetings Work on Feb. 9-13, and Effective Briefings on March 8-12. All classes are from 8:30 a.m.-2:30 p.m. in Bldg. 4200, Room G-13C. Call 544-7552 for more information or see "Inside Marshall."

Marshall Safety Culture Training mandatory during 2004

All Marshall civil service and contractor employees who have not had the previous Dupont Safety Training are required to complete Marshall Safety Culture Training during 2004. To register, go to the Safety, Health and Environmental home page on "Inside Marshall." For more information, call Georgann Crump at 544-6525.

Shuttle Buddies to meet Jan. 26

The Shuttle Buddies will meet at 8:30 a.m. Jan. 26 at Mullins Restaurant on Andrew Jackson Way in Huntsville. For more information, call Deemer Self at 881-7757.

New service speeds loan applications for NASA workers

NASA has a new automated employment and income verification service for civil service employees applying for loans. "The Work Number" service can be used 24 hours a day from almost any location when employees seeking loans need to verify employment and income status. For details, see "Inside Marshall."

Federally Employed Women chapter membership open

Membership in the North Alabama Chapter of Federally Employed Women is open to any federal employee. Chapter membership is comprised of employees from the U.S. Army Missile and Space Intelligence Center, Office of Personnel Management, and the Marshall Center. The organization's purpose is to end gender discrimination in government employment. The chapter meets monthly. For more information, call Shirley Burke-Mitchell at 895-1292.

Marshall Association elects new officers

New officers have been elected to serve the Marshall Association during 2004. The officers are Robin Henderson, president; Pete Rodriguez, vice president for programs; Beth Cook, vice president for communications; and Roslin Hicks, treasurer.

Marshall training registration going online

The Marshall Center's training registration is being upgraded to the NASA Online Registration System (NORS). It will include a "Single Sign-On" page, which eliminates the use of Social Security numbers and allows employees to set up one account and password to access both the NORS and SOLAR training sites. For more information, see "Inside Marshall."

For more Announcements, see "Inside Marshall"

Classified Ads

Miscellaneous

★ Solitaire oval diamond ring, I1, color H, $1,500; Stove & dishwasher, $200. 721-7799
★ Univega aluminum mountain bike, Rock Shox Shimano LX, Dieore, men or women's, $300. 217-1974
★ Husqvarna Viking #1 sewing machine. 837-6776
★ 1977 Avion travel trailer, 27', for hunting, camping, or lake lot, $4,500. 931-427-2059
★ Kenmore side-by-side refrigerator/freezer, 27 cu. ft., ice maker, water dispenser, $500. 881-3527
★ Sears ProForm treadmill, Model 860 Quiet, one year old, $550. 882-3601
★ Shar-Pei puppies, one female, two males, 8 weeks old, CKC registered, $350 each. 256-572-1197
★ Four used factory alloy wheels from 1995 VW Jetta, 14"x6", 4-100mm, two good tires. 156-797-1012
★ Kenmore washing machine, Series 70, large capacity, $90. 881-8130
★ 2001 mobile home, 16x80, 3BR, 1BA, lots of extras, must be moved, $19,000. 509-9545
★ 1988 Honda Harmony mower, 21", bag or mulch, w/spare parts, $75. 325-7542
★ Olympus D-390 digital camera, duplicate gift, $99. 656-0546
★ Lexmark Z51 printer with color & b/w cartridge, USB, power cable, and drivers, $40. 256-721-0042
★ Kenmore super capacity washer & dryer, $400. 864-2629
★ 19 inch KDS VS-19 monitor, $100 obo. 353-6635
★ Over-the-Range microwave, black, whirlpool, with mounting hardware, six years old, $90. 880-6046
★ AKC Australian Shepherd puppies, $300. Ready Valentine's Day. Five males, three females. 828-3668
★ 10-speed Chome-moly frame w/Campy parts, extra set of wheels, $100. 461-6337
★ Ladies faux rabbit fur jacket, never worn, size 2x, $125. 256-498-6580
★ Schwinn airdyne, $100. 721-9005
★ Home entertainment center, black/cherry finish, custom designed and built. 539-4898
★ 1998 Mustang GT 6x7 rims, 5-4.5 inch lug pattern, complete set, $150. 721-3945
★ PDA, Palm m500, SD/multi-media slot, high-contrast display, desktop software, HotSync cradle, $90. 683-7683
★ 1986 "Honey" 22' motor home, sleeps 6, 66k miles, bath, kitchen, refrigerator, microwave, $5,500. 881-8674
★ Flex CTS weight bench, uses 10-200 lb. equivalent weightbands, with stepper, $75. 464-9910
★ Palm V accessories kit, modem, charger, wireless web, GSM upgrade, carrying case. $20. 772-8489
★ Three desks: executive walnut, $100; oak, $50; steel, $50. 256-797-0342
★ Bachmann "Monopoly" HO electric train set. Complete. Contents still sealed in box. $52. 256-306-0700 Decatur

Vehicles

★ 1969 R/S Camaro PI-S, other parts, $7,000; 1964 Impala Super Sport, loaded, $2,800. 513-0524
★ 1997 Jeep Grand Cherokee Limited SUV, 4-door, black, sunroof, leather, power, 77K miles, $8,900. 679-4555
★ 1999 Jeep Grand Cherokee Laredo, 4x4, 70K miles, loaded, $11,000. 256-784-5664
★ 1968 Camaro True SS, 12-bolt, posi, Dyno 519HP, 544TQ, APR 406, TH350, $18,000. 256-489-4949
★ 1999 Ford F350 Supercab Super Duty, 4WD, diesel, 107K miles, new tires, $16,500. 256-508-0164
★ 1994 Nissan 240 SX convertible, 147K miles, $3,500. 256-508-0164
★ 1998 Chevy Venture LS ext., 115K miles, all service records, $6,495. 864-2629
★ 1997 Chrysler Town & Country van, silver/beige, 96K miles, one-owner, VHS console, $6,800. 881-7000
★ 1995 Ford Windstar GL, green, one-owner, local, $3,650. 256-722-0997 after 7 p.m.
★ 1996 Saturn SL1, 4 dr., 79k, white, a/c, sunroof, cruise, 5 speed, $3,350. 325-6000
★ 1989 Honda CR250R dirt bike, $1,000; 1996 Honda XR100 dirt bike, $1,200. 655-6293
★ 2003 Mercedes Benz, C240, 5K miles, Four-year complete warranty, $29,900. 837-1774
★ 1999 Super Duty F-350 diesel, 4-dr., 4WD, leather interior, lariat pkg, 49K miles, $20,000. 931-732-4742
★ 1996 Ford Windstar minivan, three door, non-smoker, 91K miles, am/fm cass., $4750. 232-8804
★ 1992 full-size conversion van, $6000. 931-363-7764
★ 2001 Bombardier DS650, 5-speed manual shift. Stored inside year round. $4900. 256-586-0162 after 5 p.m.
★ 2003 Arctic Cat 4-wheeler, 400 cc, 2/4 wheel drive, 200 miles, $4,000. 883-9741
★ 1993 Explorer, all-power, new air compressor & blower, brakes, new tires, 151K miles, $3,100. 256-772-0430
★ 1991 Explorer, 4-dr., leather, sunroof, 64K miles, new radiator/hoses, brakes, fuel pump, shocks, $4,200. 880-6498
★ 2003 Silverado Red, 2500HD LS, $25,500 233-7331 ask for Gerald
★ 1991 Dodge Daytona Shelby, needs work. 1989 Dodge Daytona, parts car, $1200 for both. 931-433-9494

Wanted

★ Queensize waterbed mattress, good shape. 852-4406
★ Extended cab F150 or Ranger truck, prefer 1994 to 1999, high miles OK. 325-6000
★ Playhouse, clubhouse, or treehouse. 316-2902
★ Regular 8mm or dual 8mm movie projector. 881-4748
★ Skid steer loader. 536-7906

Lost

★ Glasses in brown soft case lost in 4202 (RFCU) area on 1/07/04. 544-2441

Free

★ Generic black Epson Stylus C80 inkjet cartridge. 461-8721
★ 48x96 mirrors for pickup. 256-797-0342

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